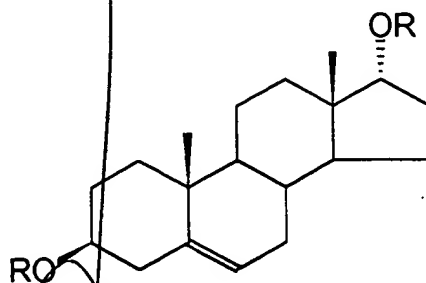


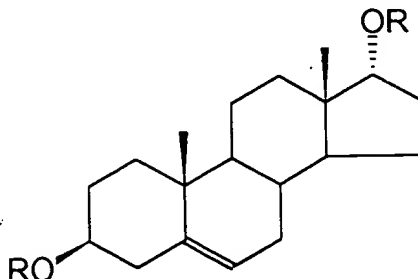
WHAT WE CLAIM IS:

1. A method of accelerating cell aging and programmed cell death by administering a composition containing a cell aging accelerating effective amount of a compound of the formula:



wherein either R may be H, alkenyl of 2-8 carbons, alkyl of 1-8 carbons, phenylalkyl of 1-4 carbons, phenyl or COR_2 , wherein R_2 is H; alkyl of 1-8 carbons, alkenyl of 2-8 carbons, phenylalkyl wherein the alkyl has 1-4 carbons (including benzyl) or phenyl, and any phenyl moiety may have up to three substituents chosen from among hydroxy, carboxy of 1-4 carbons, halo, alkoxy of 1-4 carbons, alkyl of 1-4 carbons, or alkenyl of 2-4 carbons and wherein any alkyl may be a straight chain, branched chain, or the alkyl may be wholly or partially cyclized, in a pharmaceutically acceptable carrier.

2. A composition of matter comprising a cell aging and programmed cell death accelerating effective amount of α AED or an ester or ether thereof of the formula:



wherein R may be H, alkenyl of 2-8 carbons, alkyl of 1-8 carbons, phenylalkyl of 1-4 carbons, phenyl or COR_2 , wherein R_2 is H; alkyl of 1-8 carbons, alkenyl of 2-8 carbons, phenylalkyl wherein the alkyl has 1-4 carbons (including benzyl) or phenyl, and any phenyl moiety may have up to three substituents chosen from among hydroxy, carboxy of 1-4 carbons, halo, alkoxy of 1-4 carbons, alkyl of 1-4 carbons, or alkenyl of 2-4 carbons and wherein any alkyl may be a straight chain, branched chain, or the alkyl may be wholly or partially cyclized, in a form appropriate for oral administration.

3. A composition of claim 2 which is a tablet.
4. A composition of claim 2 wherein the composition is in the form of a capsule.
5. A composition of claim 2 wherein the composition is a liquid.
6. A composition of matter comprising a cell aging and programmed cell death accelerating effective amount of α AED in a cyclodextrin inclusion complex.

7. A method of claim 1 wherein the active agent is administered orally.

8. A method of claim 1 wherein the active agent is administered parenterally.

9. A method of claim 1 wherein the active agent is administered as a patch.

10. A method of claim 1 wherein the active agent is applied to mucosal tissue.

11. A method of claim 10 wherein the active agent is administered rectally.

12. A method of claim 10 wherein the active agent is administered vaginally.

13. A method of claim 10 wherein the active agent is applied as a spray or mist.

14. A method of claim 1 wherein the active agent is applied to the site of the tumor or tumor bed.

add
at
add 75